

EQUIPMENT		PIPING	
<div><div><div><div><div></div><div>P</div><div>01</div></div><div></div><div></div></div><div>SYMBOL EQUIPMENT DESIGNATION NUMBER</div><div>P</div><div>PUMP</div></div></div>	<div><div><div><div><div></div><div>SIZE TYPE</div></div><div><div><div></div><div></div><div></div></div></div><div>EXPANSION JOINT</div></div><div><div><div></div><div></div><div></div></div></div><div>FLUID FLOW DIRECTION</div></div><div><div><div></div><div></div><div></div></div></div><div>AIR ELIMINATOR</div></div> <div><div><div></div><div></div><div></div></div></div> <div>TEST COCK (PETES' PLUG)</div> <div><div><div></div><div></div><div></div></div></div> <div>PRESSURE INDICATOR WITH COCK</div> <div><div><div></div><div></div><div></div></div></div> <div>AUTOMATIC AIR VENT</div> <div><div><div></div><div></div><div></div></div></div> <div>MANUAL AIR VENT</div> <div><div><div></div><div></div><div></div></div></div> <div>PIPE TURNING UP</div> <div><div><div></div><div></div><div></div></div></div> <div>PIPE TURNING DOWN</div> <div><div><div></div><div></div><div></div></div></div> <div>THERMOWELL WITH TEMPERATURE INDICATOR</div> <div><div><div></div><div></div><div></div></div></div> <div>ECCENTRIC REDUCER</div> <div><div><div></div><div></div><div></div></div></div> <div>CAPPED PIPE/OUTLET</div> <div><div><div></div><div></div><div></div></div></div> <div>SEGMENTED BALL VALVE</div> <div><div><div></div><div></div><div></div></div></div> <div>PLUG VALVE</div> <div><div><div></div><div></div><div></div></div></div> <div>OR BALL VALVE</div> <div><div><div><div><div></div><div>M</div></div><div></div><div></div></div><div>MOTOR OPERATED CONTROL VALVE (VALVE TYPE VARIES)</div></div><div><div><div></div><div></div><div></div></div></div><div>UNION</div></div> <div><div><div></div><div></div><div></div></div></div> <div>STRAINER WITH BLOWDOWN VALVE</div> <div><div><div></div><div></div><div></div></div></div> <div>BALANCING VALVE</div> <div><div><div></div><div></div><div></div></div></div> <div>ISOLATION VALVE</div> <div><div><div></div><div></div><div></div></div></div> <div>CHECK VALVE</div> <div><div><div></div><div></div><div></div></div></div> <div>TEMPERATURE INDICATOR</div> <div><div><div></div><div></div><div></div></div></div> <div>PUMP</div> <div><div><div><div></div><div>PIPING TO BE DEMOLISHED</div></div><div><div></div><div>NEW PIPING</div></div></div></div>		
CONTROL DEVICES		ABBREVIATIONS	
<div><div><div>AX</div><div>AUXILIARY CONTACT</div></div><div><div>C</div><div>COMMON</div></div><div><div>CR</div><div>CURRENT RELAY</div></div><div><div>FR</div><div>FIELD MOUNTED RELAY</div></div><div><div>NC</div><div>NORMALLY CLOSED</div></div><div><div>NO</div><div>NORMALLY OPEN</div></div><div><div>SS</div><div>START/STOP CONTROL</div></div><div><div></div><div>ELECTRONIC INTERLOCK WIRING</div></div><div><div></div><div>DDCS CONTROL SYSTEM WIRING</div></div></div>		<div><div><div><div>AAV</div><div>AUTOMATIC AIR VENT</div></div><div><div>ABV</div><div>ABOVE</div></div><div><div>AFF</div><div>ABOVE FINISHED FLOOR</div></div><div><div>AFG</div><div>ABOVE FINISHED GRADE</div></div><div><div>BEL</div><div>BELOW</div></div><div><div>BLDG</div><div>BUILDING</div></div><div><div>DIA</div><div>DIAMETER</div></div><div><div>DIFF</div><div>DIFFERENTIAL</div></div><div><div>DN</div><div>DOWN</div></div><div><div>DWG</div><div>DRAWING</div></div><div><div>EFF</div><div>EFFICIENCY</div></div><div><div>ELEC</div><div>ELECTRIC</div></div><div><div>ELL</div><div>ELBOW</div></div><div><div>ENT</div><div>ENTERING</div></div><div><div>EQUIP</div><div>EQUIPMENT</div></div><div><div>FIN</div><div>FINISHED</div></div><div><div>FLR</div><div>FLOOR</div></div><div><div>FLA</div><div>FULL LOAD AMPERE</div></div><div><div>FLEX</div><div>FLEXIBLE</div></div><div><div>FLG</div><div>FLANGE</div></div><div><div>FPM</div><div>FEET PER MINUTE</div></div><div><div>FT</div><div>FEET</div></div><div><div>GA</div><div>GAUGE</div></div><div><div>GAL</div><div>GALLONS</div></div><div><div>HP</div><div>HORSEPOWER, HIGH POINT</div></div><div><div>HZ</div><div>HERTZ (CYCLES/SEC)</div></div><div><div>IN</div><div>INCH</div></div><div><div>KW</div><div>KILOWATT</div></div><div><div>LCP</div><div>LOCAL CONTROL PANEL</div></div><div><div>LF</div><div>LINEAR FEET</div></div><div><div>LVG</div><div>LEAVING</div></div><div><div>MAX</div><div>MAXIMUM</div></div><div><div>MECH</div><div>MECHANICAL</div></div><div><div>MIN</div><div>MINIMUM, MINUTE</div></div><div><div>MISC</div><div>MISCELLANEOUS</div></div><div><div>NC</div><div>NORMALLY CLOSED, NOISE CRITERIA</div></div><div><div>NO</div><div>NORMALLY OPEN/NUMBER</div></div><div><div>NOM</div><div>NOMINAL</div></div><div><div>NTS</div><div>NOT TO SCALE</div></div><div><div>OC</div><div>ON CENTER</div></div><div><div>PH</div><div>PHASE</div></div><div><div>P</div><div>PUMP</div></div><div><div>PD</div><div>PRESSURE DROP</div></div><div><div>POC</div><div>POINT OF CONNECTION</div></div><div><div>PSIG</div><div>POUNDS PER SQUARE INCH GAUGE</div></div><div><div>PVC</div><div>POLYVINYL CHLORIDE PIPE</div></div><div><div>RE</div><div>RESIDENT ENGINEER</div></div><div><div>RED</div><div>REDUCER</div></div><div><div>REQD</div><div>REQUIRED</div></div></div><div><div><div><div>RM</div><div>ROOM</div></div><div><div>RPM</div><div>REVOLUTIONS PER MINUTE</div></div><div><div>SD</div><div>SMOKE DETECTOR, SMOKE DAMPER,</div></div><div><div>SH</div><div>PUMPED STORM DRAIN PIPING SHEET</div></div><div><div>SQ. FT</div><div>SQUARE FEET</div></div><div><div>SS</div><div>START/STOP, STAINLESS STEEL</div></div><div><div>TYP</div><div>TYPICAL</div></div><div><div>UL</div><div>UNDERWRITER'S LABORATORIES</div></div><div><div>V</div><div>VOLT</div></div><div><div>VEL</div><div>VELOCITY</div></div><div><div>W/</div><div>WITH</div></div><div><div>W/O</div><div>WITHOUT</div></div><div><div>WC</div><div>WATER COLUMN</div></div><div><div>WG</div><div>WATER GAUGE</div></div><div><div>WMS</div><div>WIRE MESH SCREEN</div></div><div><div>Ø</div><div>DIAMETER</div></div></div></div></div>	

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA ARTCC MANHOLES SUMP PUMPS REPLACEMENT PROJECT LEGEND AND ABBREVIATIONS					
HILLIARD		JACKSONVILLE CENTER		FL	
REVIEWED BY	SUBMITTED BY	APPROVED BY			
		PROJECT ENGINEER		MGR ENGINEERING - ATLANTA	
DESIGNED	RE	ISSUED BY		DATE	JCN
DRAWN	AT	ENGINEERING SERVICES		02/15/2009	A622533
CHECKED		ENROUTE/FSS		DRAWING NO	REV
				ZJX-D-A622533-G03	

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HILLIARD		JACKSONVILLE CENTER			FL	
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DESIGNED	RE	ISSUED BY	MGR ENGINEERING - ATLANTA			
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DRAWN	AT	ENGINEERING SERVICES	DRAWING NO			
CHECKED		ENROUTE/FSS	REV			
ZJX-D-A622533-G03						

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ISSUED FOR CONSTRUCTION
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EDM: ZJX-D-A622533-G03.dgn